

## AMENDMENTS TO THE CLAIMS

1.(currently amended): An ISDN alarm notification system comprising:

digital switching equipment;

subscriber transmission equipment connected to the digital switching equipment;

and

a controller for setting switch options externally,

wherein the subscriber transmission equipment ~~[[including]]~~ includes,

a switching equipment interface unit,

a control path unit, and

an ISDN subscriber interface unit, and

wherein the controller sets switch options ~~provided in~~ for the switching equipment interface ~~[[units]]~~ unit, the control path unit and the ISDN subscriber interface unit ~~are set from the controller~~, so that the set switch options are ~~[[set]]~~ the same~~[[,]]~~ as corresponding to the digital switching equipment connected to the subscriber transmission equipment.

2.(currently amended): The ISDN alarm notification system according to claim 1, wherein the switch options in the ISDN subscriber interface unit are provided for alarm controllers corresponding to the digital switching equipment.

3.(currently amended): An ISDN alarm notification system comprising:

a plurality of digital switching equipment;

subscriber transmission equipment connected to the plurality of switching equipment; and

a controller for setting switch options externally,

wherein the subscriber transmission equipment ~~[[including]]~~ includes,

switching equipment interface ~~[[units]]~~ unit,

a control path unit, and

an ISDN subscriber interface unit, and

wherein the controller sets switch options ~~provided in~~ for the switching equipment interface ~~[[units]]~~ unit, the control path unit and the ISDN subscriber interface unit ~~are set from the controller~~, so that the set switch options are ~~[[set]]~~ the same~~[[,]]~~ as corresponding to the plurality of digital switching equipment connected to the subscriber transmission equipment.

4.(currently amended): The ISDN alarm notification system according to claim 2, wherein the switch options in the ISDN subscriber interface unit are provided for alarm controllers corresponding to the plurality of digital switching equipment.

5.(original): The ISDN alarm notification system according to claim 3, wherein the plurality of digital switching equipment provide interfaces conforming to RDT301-1 to -4 standards, and each switching equipment type corresponding to each RDT303 standard can be set into the switching equipment interface unit, control path unit, and ISDN subscriber interface unit in the subscriber transmission equipment.

6.(original): The ISDN alarm notification system according to claim 3, wherein the plurality of digital switching equipment are products of different vendors.

7.(currently amended): An ISDN alarm notification system comprising:

- a plurality of digital switching equipment; ~~and~~
- analog switching equipment; ~~having,~~
- subscriber transmission equipment directly connected to the analog switching equipment, and to the plurality of digital switching equipment through digitizing equipment; ~~directly,~~ and
- a controller for setting switch options externally,

wherein the subscriber transmission equipment includes,

- switching equipment interface units,
- a control path unit, and
- an ISDN subscriber interface unit, and

wherein the controller sets switch options ~~provided in~~ for the switching equipment interface units, the control path unit and the ISDN subscriber interface unit ~~are set from the controller,~~ so that the set switch options are ~~[[set]]~~ the same~~[[,]]~~ as corresponding to the plurality of digital switching equipment connected to the subscriber transmission equipment.

8.(original): The ISDN alarm notification system according to claim 1, wherein the ISDN subscriber interface unit includes alarm controllers of identical configuration corresponding to a plurality of channels to be connectable to a plurality of different switching equipment modes on a channel by channel basis.

9.(original): The ISDN alarm notification system according to claim 8, wherein the ISDN subscriber interface unit includes alarm controllers for at least two channels in one ISDN card.

10.(original): The ISDN alarm notification system according to claim 1, wherein the ISDN subscriber interface unit includes a terminator, which detects an uninstalled condition of an ISDN channel card.

11.(original): The ISDN alarm notification system according to claim 1, wherein the ISDN subscriber interface unit includes a terminator, which detects a disconnected condition of a network terminal.

12.(original): The ISDN alarm notification system according to claim 1, wherein the ISDN subscriber interface unit includes a terminator, which detects a power off condition of a network terminal.